SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Coorman, et al	Attorney Docket:	2639/A97
Serial No:	10/724,659	Art Group Unit:	2171
Date Filed:	12/01/03	Examiner Name:	
Invention:	Speech Synthesis Using Concatenation of Speech Waveforms		

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

U.S. PATENT DOCUMENTS					
Examiner Initials	**Reference Number**	**Document Number**	**Issue Date**	**Inventor**	**Class/Subclass**
DA	AA	US 5,978,764	11/1999	Lowry, et al	704/258
	AB	US 5,920,840	7/1999	Satyamurti, et al	704/267
	AC	US 5,913,193	6/1999	Juang, et al	704/258
	AD	US 5,774,854	6/1998	Sharman	704/260
	AE	US 5,749,064	5/1998	Pawate, et al	704/213
	AF	US 5,630,013	5/1997	Suzuki, et al	395/2.25
	AG	US 5,611,002	3/1997	Vogten, et al	395/2.76
	AH	US 5,490,234	2/1996	Narayan	395/2.69
	AI	US 5,479,564	12/1995	Vogten, et al	395/2.76
	AJ	US 5,384,893	1/1995	Hutchins	704/246
~~—~~	~~AK~~	~~US 10/1992~~	~~10/1992~~	~~Kandefer, et al~~	~~704/2567~~

OTHER DOCUMENTS			
Examiner Initials	**Reference Number**	**Author**	**Title of Article, Title of Journal, Volume Number, Page Numbers, Date**
DA	AL	Black, Alan W, et al,	"CHATR: a genetic speech synthesis system", In Proceedings of COLING, 94 Kyoto, Japan
DA	AM	Campbell, Nick,	"Processing a Speech Corpus for Synthesis with Chatr", ICSP '97 (International Conference on Speech Processing), Seoul, Korea 1997/8/26
DA	AN	Banga, Eduardo R., et al,	"Shape-Invariant Pitch-Synchronous Text-to-Speech Conversion", Proceedings of the International Conference on Acoustics, Speech, and Signal Processing (ICASSP), IEEE, 1995, pp. 656-659

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DA	AO	Black, Alan W., et al.	"Automatically Clustering Similar Units for Unit Selection in Speech Synthesis", Proceedings of Eurospeech 97, Sep. 1997, pp. 601-604, Rhodes, Greece
	AP	Black, Alan W., et al	"Optimising Selection of Units from Speech Databases for Concatenative Synthesis", European Conference on Speech Communication and Technology, Madrid, Sep. 1995, pp. 581-584
	AQ	Campbell, Nick, et al	"Chatr: A Natural Speech Re-Sequencing Synthesis System"
	AR	Charpentier, F. J., et al	"Diphone Synthesis Using an Overlap-Add Technique for Speech Waveforms Concatenation", IEEE, 1986, pp. 2015-2018
	AS	Conkie, Alistair D.	"Optimal Coupling of Diphones", in J.P.H. van Santen, et al , editors, Progress in Speech Synthesis, Springer verlag, 1997, pp. 293-304.
	AT	Ding, Wen, et al	"Optimising Unit Selection with Voice Source and Formats in the Chatr Speech Synthesis System", Proceedings of Eurospeech 97, Sep. 1997, pp. 537-540, Rhodes, Greece.
	AU	Dutoit, T.,	"High Quality Test-to-Speech Synthesis: A Comparison of Four Candidate Algorithms", IEEE, 1994, pp. I-565-I-568.
	AV	Edgington, M.,	"Investigating the Limitations of Concatenative Synthesis", Eurospeech, 1997, pp. 1-4.
	AW	Edgington, M., et al,	"Overview of Current Text-to-Speech Techniques: Part II--Prosody and Speech Generation", BT Technology Journal, vol. 14, No. 1, Jan., 1996, pp. 84-99.
	AX	Hamdy, Khaled N., et al	"Time-Scale Modification of Audio Signals with Combined Harmonic and Wavelet Representations", Proceedings of ICASSP 97, pp. 439-442, Munich, Germany.
	AY	Hauptmann, Alexander G.	"Speakez: A First Experiment in Concatenation Synthesis from a Large Corpus", Proceedings of Eurospeech93, Sep. 1993, pp. 1701-1705, Berlin, Germany.
	AZ	Hess, Wolfgang J.	"Speech Synthesis--A Solved Problem?", Signal Processing, Elsevier Science Publishers B.V., 1992.
	BA	Hirokawa, Tomohisa, et al,	"High Quality Speech Synthesis System Based on Waveform Concatenation of Phoneme Segment", IEICE Trans. Fundamentals, vol. E76-A, No. 11, Nov. 1993, pp. 1964-1970.

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Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
DA	BB	Huang, X., et al	"Recent Improvements on Microsoft's Trainable Text-to-Speech System--Whistler", Proceedings of ICASSP '97, Apr. 1997, pp. 959-962, Munich, Germany.
	BC	Hunt, Andrew J., et al	"Unit Selection in a Concatenative Speech Synthesis System Using a Large Speech Database", IEEE International Conference on Acoustics, Speech and Signal Processing Conference Proceedings, May 1996, vol. 1, pp. 373-376.
	BD	Iwahashi, Naoto, et al	"Concatenative Speech Synthesis by Minimum Distortion Criteria", IEEE, 1992, pp. II-65-II-68.
	BE	Iwahashi, Naoto, et al	"Speech Segment Network Approach for Optimization of Synthesis Unit Set", Computer Speech and Language, 1995, pp. 335-352.
	BF	King, Simon, et al	"Speech Synthesis Using Non-Uniform Units in the Verbmobil Project", Proceedings of Eurospeech '97, Europress, 97, Sep. 1997, pp. 569-572, Rhodes, Greece
	BG	Klatt, Dennis H.,	"Review of Text-to Speech Conversion for English", Journal of Acoustic Society of America, 82 (3) Sep., 1987, pp. 737-793
	BH	Lee, Sungjoo, et al	"Variable Time-Scale Modification of Speech Using Transient Information", Proceedings of ICASSP '97, Apr. 1997, pp. 1319-1322, Munich, Germany.
	BI	Lin, Gang-Janp, et al	"High Quality of Low Complexity Pitch Modification of Acoustic Signals", IEEE, 1995, pp. 2987-2990.
	BJ	Kraft, Volker,	"Does the Resulting Speech Quality Improvement Make a Sophisticated Concatenation of Time-Domain Synthesis Units Worthwhile?", Proc. 2.sup.nd ESCA/IEEE Workshop on Speech Synthesis, 1994, pp. 65-68.
	BK	Laroche, Jean, et al,	"HNS: Speech Modification Based on a Harmonic + Noise Model",IEEE, 1993, pp. II-550-II-553.
	BL	Moulines, E., et al,	"A Real-Time French Text-to-Speech System Generating High-Quality Synthetic Speech", International Conference on Acoustics, Speech & Signal Processing, ICASSP, IEEE, 1990, vol. 15, pp. 309-312.

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DA	BM	Nakajima, Shin'ya,	"Automatic Synthesis Unit Generation for English Speech Synthesis Based on Multi-Layered Context Oriented Clustering", Speech Communication, vol. 14, 1994, pp. 313-324.
	BN	Portele, Thomas, et al,	"A Mixed Inventory Structure for German Concatenative Synthesis", Progress in Speech Synthesis, J.P.H. van Santen, et al, editors, Springer verlag, 1997, pp. 263-277.
	BO	Quartieri, T.F., et al	"Time-Scale Modification of Complex Acoustic Signals", IEEE, 1993, pp. I-213-216.
	BP	Rudnicky, Alexander, I ., et al,	"Survey of Current Speech Technology", Communication of the ACM, vol. 37, No. 3, Mar., 1994, pp. 52-57.
	BQ	Sagisaka, Yoshinori,	"Speech Synthesis by Rule Using an Optimal Selection of Non-Uniform Synthesis Units", IEEE, 1998, pp. 679-682.
	BR	Saito, Takashi, et al, "	High-Quality Speech Synthesis Using Context-Dependent Syllabic Units", Proceedings of ICASSP '96, May 1996, pp. 381-384, Atlanta, Georgia.
	BS	Verhelst, Werner, et al,	"An Overlap-Add Technique Based on Waveform Similarity (WSOLA) for High Quality Time-Scale Modificaiton of Speech", IEEE, 1993, pp. II-554-II-557.
	BT	Yim, S., et al,	"Computationally Efficient Algorithm for Time Scale Modification GLS-TSM", Proceedings of ICASSP '96, May 1996, pp. 1009-1012, Atlanta, Georgia.

Examiner Signature: Marc Anderson

Date Considered: 3/23/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation *if not* in conformance and not considered. Include copy of this form with next communication to applicant.